What is claimed is:

1. A method for generating computer-based models of seats in a passenger compartment from a two-dimensional drawing, the method comprising:

   receiving a two-dimensional lay-out drawing;

   extracting dimensions for the placement of seats from the received two-dimensional drawing;

   assigning part numbers to the placed seats; and

   generating a model of the seats placed in a three-dimensioned representation of the passenger cabin based upon the extracted dimensions and assigned part numbers.

2. The method of Claim 1, wherein generating of the model includes generating cable lengths for wiring runs.

3. The method of Claim 1, wherein generating of the model includes generating seat loads.

4. The method of Claim 1, wherein generating of the model includes generating a two-dimensional seat installation drawing.

5. The method of Claim 1, wherein assigning part numbers includes referring to a data table including criteria associated with the part number.

6. The method of Claim 5, wherein the criteria include dimensions of the seat.

7. The method of Claim 5, wherein the criteria include a three-dimensional representation of the seat.

8. The method of Claim 5, wherein the criteria include the recant paths of the seat backs.

9. A computer program residing on a readable memory medium for generating computer-based models of seats in a passenger compartment from a two-dimensional drawing, the computer program comprising:

   a first computer program code means configured for receiving a lay-out drawing;

   a second computer program code means configured for extracting dimensions for placement of the seats from the received drawing;

a third computer program code means configured for assigning part numbers to the placed seats; and

a fourth computer program code means configured for generating a model of the seats placed in a three-dimensional representation of the passenger cabin based upon the extracted dimensions and assigned part numbers.

10. The computer program of Claim 9, wherein the fourth computer program code means includes a fifth computer program code means for generating cable lengths for wiring runs.

11. The computer program of Claim 9, wherein the fourth computer program code means includes a sixth computer program code means configured for generating seat loads.

12. The computer program of Claim 9, wherein the fourth computer program code means includes a seventh computer program code means configured for generating a two-dimensional seat installation drawing.

13. The computer program of Claim 9, wherein the third computer program code means includes a sixth computer program code means configured to reference a data table, the data table including criteria associated with the part number.

14. The computer program of Claim 15, wherein the criteria include dimensions of the seat.

15. The computer program of Claim 15, wherein the criteria include a three-dimensional representation of the seat.

16. The computer program of Claim 15, wherein the criteria include recant paths of the seat backs.

17. The computer program of Claim 9, wherein the fist, second, third, and fourth computer program code means are stored on a computer readable medium accessible over a network on an active service page.

18. A system for generating computer-based models of seats in a passenger compartment from a two-dimensional drawing, the system comprising:

a first component means for receiving a lay-out drawing;

a second component means for extracting dimensions for the placement of seats from the received drawing;

a third component means for assigning part numbers to the placed seats; and

a fourth component means for generating a model of the placed seats in a three-dimensioned representation of a passenger cabin based upon the extracted dimensions and assigned part numbers.

19.   The system of Claim 18, wherein the fourth component means includes a fifth component means for generating cable lengths for wiring runs.

20.   The system of Claim 18, wherein the fourth component means includes a sixth component means for generating seat loads.

21.   The system of Claim 18, wherein the fourth component means includes a seventh component means for generating a two-dimensional seat installation drawing.

22.   The system of Claim 18, wherein the third component means includes a sixth component means for referencing a data table, the data table including criteria associated with the part number.

23.   The system of Claim 18, wherein the criteria include dimensions of the seat.

24.   The system of Claim 18, wherein the criteria include a three-dimensional representation of the seat.

25.   The system of Claim 18, wherein the criteria include the recant paths of the seat backs.

26.   The system of Claim 18, wherein the fist, second, third, and fourth component means include computer program code stored on a computer readable medium accessible over a network on an active service page.